

**8th Conference on
Geometry and Topology of Manifolds
(Luxembourg – Poland – Ukraine Conference)
30.04.07 - 6.05.2007
Przemyśl (Poland) – L'viv (Ukraine)**

Organizing Committee:

- **Jan Kubarski**, chairman, Institute of Mathematics of the Technical University of Łódź
- **Robert Wolak**, Institute of Mathematics of the Jagiellonian University, Kraków
- **Tomasz Rybicki**, Faculty of Applied Mathematics at the AGH University of Science and Technology, Kraków
- **Michael Zarichny**, Institute of Mathematics, Rzeszów University, Rzeszów; Faculty of Mechanics and Mathematics of L'viv Ivan Franko National University, L'viv
- **Norbert Poncin**, Institute of Mathematics, University of Luxembourg, Luxembourg
- **Andriy Panasyuk**, Institute for Applied Problems of Mechanics and Mathematics of the National Academy of Sciences of Ukraine, L'viv; Department of Mathematical Methods in Physics, University of Warsaw, Warsaw
- **Vladimir Sharko**, Institute of Mathematics of the National Academy of Sciences of Ukraine, Kyiv

Scientific Committee:

Yu. AMINOV (Ukraine), B. BOJARSKI (Poland), A. BORISENKO (Ukraine), R. BROWN (UK), S. BRZYCHCZY (Poland), J. GRABOWSKI (Poland), J. KUBARSKI (Poland), P. LECOMTE (Belgium), A.S. MISHCHENKO (Russia), V.Yu. OVSIENKO (France) J. PRADINES (France), A.O. PRISHLYAK (Ukraine), A.M. SAMOILENKO (Ukraine), V. SHARKO (Ukraine), N. TELEMEN (Italy), M. ZARICHNY (Poland,Ukraine), N.T. ZHUNG (France)

Aims:

The main aim of the conference series is to present and discuss new results in geometry and topology of manifolds with the particular attention being paid to applications of algebraic methods. The topics usually discussed include:

- Dynamical systems on manifolds and applications,
- Lie groups (including infinite dimension), Lie algebroids and their generalizations, Lie groupoids,
- Characteristic classes, index theory, K-theory, Fredholm operators,
- Singular foliations, cohomology theories for foliated manifolds and their quotients,
- Symplectic, Poisson, Jacobi and special Riemannian manifolds,
- Applications to mathematical physics.

Organization:

The conference was organized in two towns, the first part was held in Przemyśl, Poland, at the State High School of East Europe, the second part took place in L'viv, Ukraine, at the Ivan Franko National University of L'viv.

More than 50 talks were presented.